



Australian Government

AHCPHT508 Develop a grape production plan

Release: 1

AHC PHT508 Develop a grape production plan

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 4.0.

Application

This unit of competency describes the skills and knowledge required to carry out preliminary planning activities, determine grape production requirements, schedule production activities, plan monitoring of grape production plan and document grape production plan.

The unit applies to individuals who apply specialised skills and knowledge to the development of a grape production plan, and take personal responsibility and exercise autonomy in undertaking complex work. They analyse and synthesise information and analyse, design and communicate solutions to sometimes complex problems.

All work must be carried out to comply with workplace procedures, health and safety in the workplace requirements, legislative and regulatory requirements, sustainability and biosecurity practices.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Production horticulture (PHT)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Carry out preliminary planning activities	1.1 Identify and evaluate trends and issues affecting the Australian viticulture industry for their impact on planning decisions 1.2 Determine client specifications for the production of grapes

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.3 Assess the vineyard site for growing environment factors, resources, services and site modifications 1.4 Conduct research into the characteristics and growing requirements of grape varieties and cultivars, legal attributes of the site, and local by-laws and restrictions that may affect the production plan 1.5 Identify sustainable land use issues that may affect planned production 1.6 Set production targets that are consistent with the marketing strategy and business plan 1.7 Determine production requirements in terms of quantity and quality of grapes 1.8 Develop a draft plan that reflects client preferences and requirements, and regulatory requirements and takes into account site factors and any identified sustainable land use requirements
2. Determine the production requirements for grapes	2.1 Identify grape varieties that are appropriate to the site and consistent with the plan 2.2 Calculate, cost and confirm the quantity required with the supplier 2.3 Select establishment procedures consistent with the agreed preliminary plan 2.4 Document cultural management practices to achieve optimal growth 2.5 Determine harvesting dates to meet market specifications and deadlines 2.6 Determine production costs of growing grapes 2.7 Identify hazards associated with production activities, assess risks and identify and document controls in the plan 2.8 Identify policy concerning grapes not meeting specifications according to customer requirements, quality assurance policies and marketing strategy
3. Schedule grape production activities	3.1 Outline staged implementation and development of the grape production activities 3.2 Determine and document timelines for grape production activities 3.3 Plan and schedule marketing according to the production schedule and marketing strategy

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
4. Plan monitoring of the grape production plan	4.1 Determine production activities to be monitored, the format for recording factors, frequency of monitoring and the thresholds for remedial action 4.2 Document required remedial action or contingency plan for implementation by staff 4.3 Review the effectiveness of the monitoring system on a regular basis
5. Match grape production to required output	5.1 Determine grape yields required to meet client projections 5.2 Determine grape variety required to meet output 5.3 Compare production program to client projections 5.4 Implement remedial action or contingency plan where grape production falls outside client projections
6. Prepare and document the grape production plan and specifications	6.1 Prepare detailed plans and specifications based on industry conventions and the requirements of production 6.2 Produce a scaled vineyard site plan which can be readily interpreted and understood by on-site personnel 6.3 Develop and document detailed on-site procedures and schedules required for grape production

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	- Interpret information regarding the Australian viticulture industry issues and trends - Identify and interpret information regarding grape growing requirements, legal attributes of the site, and by-laws and restrictions - Identify and interpret customer requirements and market specifications, quality assurance policies and marketing strategy
Oral communication	Initiate discussions with clients, using clear language to plan and

Skill	Description
	communicate grape production plan
Numeracy	• Access and analyse data for input to grape production plan and grape production schedule • Document harvesting dates, and resource costs of grape production plan • Identify and calculate production costs
Navigate the world of work	• Identify and describe own workplace requirements associated with own role and area of responsibility

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCPHT508 Develop a grape production plan	AHCPHT504 Develop a grape production plan	Performance criteria clarified Foundation skills added Assessment requirements updated	Equivalent unit

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHC PHT508 Develop a grape production plan

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit. There must be evidence that the individual has developed a grape production plan on at least one occasion and has:

- researched, evaluated and recorded relevant information
- calculated production costs, including:
 - staff
 - resources
 - tools
 - equipment and machinery
 - logistical requirements required for production
- planned and scheduled grape production activities
- planned and scheduled marketing
- communicated and negotiated with the client
- documented plans, specifications and production work procedures
- prepared reports for staff, managers, clients and contractors
- produced a site plan which can be readily understood by on-site personnel.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- trends and issues of the Australian viticulture industry
- principles and practices for developing a grape production plan, including:
 - establishment and management of grape production in relation to client specifications and the standards required by the marketplace
 - environmental growing conditions and sustainable land use strategies
 - establishment procedures, grape variety selection and cultural practices for grape production

- processes and techniques for preparing, costing and documenting plans for grape production and scheduling grape production
- the role of business and marketing plans and client consultation processes in planning grape production
- regulations and legislation relevant to grape production.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - a workplace setting or an environment that accurately represent workplace conditions
- resources, equipment and materials:
 - industry publications and internet sources of information relevant to the development of a grape production plan
 - marketing strategy
- specifications:
 - market specifications
 - regulations and legislation relevant to grape production
- relationships:
 - customers
- timeframes:
 - according to the job requirements.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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